We claim:

1. In a method for applying a coating of a water-based composition to a surface to partially or fully coat the surface, the composition containing an inorganic or organic compound and an effective amount of a surfactant for reducing the dynamic surface tension of the composition, the improvement which comprises employing as the surfactant a malate diester of the structure

where R<sub>1</sub> and R<sub>2</sub> are C3 to C6 alkyl groups.

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2. The method of Claim 1 in which the water-based composition is selected from the group consisting of aqueous organic coating, ink, adhesive, fountain solution and agricultural compositions and the malate diester is present at 0.001 to 20 wt% of the water-based composition.

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3. The method of Claim 2 in which an aqueous solution of the malate diester demonstrates a dynamic surface tension of less than 45 dynes/cm at a concentration of ≤5 wt% in water at 25°C and 6 bubbles/second according to the maximum-bubble-pressure method.

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4. The method of Claim 1 in which R<sub>1</sub> and R<sub>2</sub> are the same.

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- 5. The method of Claim 4 in which R<sub>1</sub> and R<sub>2</sub> are a C4 alkyl group.
- 6. The method of Claim 4 in which R<sub>1</sub> and R<sub>2</sub> are a C5 alkyl group.
- 7. The method of Claim 4 in which the alkyl group has terminal branching.
  - 8. The method of Claim 4 in which the alkyl group is isobutyl.
  - 9. The method of Claim 4 in which the alkyl group is n-butyl.
  - 10. The method of Claim 7 in which the ester is derived from a primary alcohol.
  - 11. The method of Claim 3 in which the measurement is made at 20 bubbles/second.

12. An aqueous composition comprising in water an inorganic compound which is a mineral ore or a pigment or an organic compound which is a pigment, a polymerizable monomer, an oligomeric resin, a polymeric resin, a detergent, a herbicide, an insecticide, a fungicide, or a plant growth modifying agent and an effective amount of a malate diester for reducing the dynamic surface tension of the composition, the malate diester having the structure:

where R<sub>1</sub> and R<sub>2</sub> are a C3 to C6 alkyl group.

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group.

- 13. The aqueous composition of Claim 12 in which an aqueous solution of the malate diester demonstrates a dynamic surface tension of less than 45 dynes/cm at a concentration of ≤5 wt% in water at 25°C and 6 bubbles/second according to the maximum-bubble-pressure method and the malate diester is present at 0.01 to 10 wt% of the aqueous composition.
- 14. The aqueous composition of Claim 12 in which  $R_1$  and  $R_2$  are a C4 alkyl group.

15. The aqueous composition of Claim 12 in which R<sub>1</sub> and R<sub>2</sub> are a C5 alkyl

16. The aqueous composition of Claim 12 in which the alkyl group has terminalbranching.

- 17. The aqueous composition of Claim 16 in which the ester is derived from a primary alcohol.
- 20 18. The aqueous composition of Claim 12 in which the alkyl group is isobutyl.
  - 19. The aqueous composition of Claim 12 in which the alkyl group is n-butyl.
- 20. The aqueous composition of Claim 13 in which the measurement is made at25 20 bubbles/second.

21. The composition of Claim 12 which is an aqueous organic coating composition comprising in an aqueous medium 30 to 80 wt% of a coating composition which comprises the following components

5	0 to 50 wt% pigment dispersant, grind resin or mixtures thereof;
	0 to 80 wt% coloring pigment, extender pigment, anti-corrosive pigment, other pigment types or mixtures thereof;
10	5 to 99.9 vt% water-borne, water-dispersible or water-soluble resin or mixtures thereof;
15	0 to 30 wt% slip additive, antimicrobial agent, processing aid, defoamer or mixtures thereof;
15	0 to 50 wt% coalescing or other solvent;
	0.01 to 10 wt% surfactant, wetting agent, flow and leveling agents or mixtures thereof; and
20	0.01 o 20 wt% malate diester.

22. The composition of Claim 12 which is an aqueous ink composition
25 comprising in an aqueous medium 20 to 60 wt% of an ink composition which comprises the following components

	1 to 50 wt% pigment;
	0 to 50 wt% pigment dispersant, grind resin or mixtures thereof;
5	0 to 50 wt% clay base in a resin solution vehicle;
	5 to 99 wt% water-borne, water-dispersible or water-soluble resin or mixtures thereof;
10	0 to 30 wt% coalescing or other solvent;
	0.01 to 10 wt% processing aid, defoamer, solubilizing agent or mixtures thereof;
15	0.01 to 10 wt% surfactant, wetting agent or mixtures thereof; and
	0.01 to 20 wt% malate diester.
20	23. The composition of Claim 12 which is an aqueous agricultural composition
	comprising in an aqueous medium 0.01 to 80 wt% of an agricultural composition which
	comprises the following components
25	0.1 to 50 wt% a herbicide, insecticide, plant growth modifying agent or mixtures thereof;
	0.01 to 10 wt% surfactant;
	0 to √5 v/t% dye;
30	0 to 20 wt% thickener, stabilizer, co-surfactant, gel inhibitor, defoaming agent or mixtures thereof;
	0 to 25 wt% antifreeze; and
35	0.01 to 50 wt% malate diester.
	24. The composition of Claim 12 which is an aqueous fountain solution
	composition comprising the following components
40	0.05 to 10 wt% film formable, water soluble macromolecule;
	1 to 25 wt% alcohol, glycol, or polyol with 2-12 carbon atoms which is water soluble or can be made water soluble;

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	0.01 to 20 wt% water soluble organic acid, inorganic acid, or a salt thereof;
5	30 to 70 wt% water; and
	0.01 to 5 wt% malate diester.
10	25. The composition of claim 12 which is an aqueous adhesive composition
	comprising in an adueous medium 30 to 65 wt% of an adhesive composition which
	comprises the following components
	50/to 99 wt% polymeric resin;
15	0 to 50 wt% tackifier;
	0 to 0.5 wt% defoamer; and
	0.5 to 2 wt% malate diester.
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